

Contents of *Aquatic Toxicology*, Volume 49

VOL. 49 NOS. 1–2

MAY 2000

Research articles

<i>L. Canesi, C. Ciacci and G. Gallo (Italy)</i>	
Hg ²⁺ and Cu ²⁺ interfere with agonist-mediated Ca ²⁺ signaling in isolated <i>Mytilus</i> digestive gland cells	1
<i>F. Regoli, M. Nigro, S. Bompadre and G.W. Winston (Italy, USA)</i>	
Total oxidant scavenging capacity (TOSC) of microsomal and cytosolic fractions from Antarctic, Arctic and Mediterranean scallops: differentiation between three potent oxidants	13
<i>B.K.M. Gadagbui and M.O. James (USA)</i>	
Activities of affinity-isolated glutathione S-transferase (GST) from channel catfish whole intestine	27
<i>M.J. Villarroel, M.D. Ferrando, E. Sancho and E. Andreu (Spain)</i>	
Effects of tetradifon on <i>Daphnia magna</i> during chronic exposure and alterations in the toxicity to generations pre-exposed to the pesticide	39
<i>T. Backhaus, M. Scholze and L.H. Grimme (Germany)</i>	
The single substance and mixture toxicity of quinolones to the bioluminescent bacterium <i>Vibrio fischeri</i>	49
<i>L. Cleveland, E.E. Little, R.D. Calfee and M.G. Barron (USA)</i>	
Photoenhanced toxicity of weathered oil to <i>Mysidopsis bahia</i>	63
<i>L.C. Folmar, M. Hemmer, R. Hemmer, C. Bowman, K. Kroll and N.D. Denslow (USA)</i>	
Comparative estrogenicity of estradiol, ethynodiol and diethylstilbestrol in an in vivo, male sheepshead minnow (<i>Cyprinodon variegatus</i>), vitellogenin bioassay	77
<i>N.A. Eufemia and D. Epel (USA)</i>	
Induction of the multixenobiotic defense mechanism (MXR), P-glycoprotein, in the mussel <i>Mytilus californianus</i> as a general cellular response to environmental stresses	89
<i>Z. Cao, J. Hong, R.E. Peterson and J.M. Aiken (USA)</i>	
Characterization of CYP1A1 and CYP1A3 gene expression in rainbow trout (<i>Oncorhynchus mykiss</i>)	101
<i>N.A. Webb and C.M. Wood (Canada)</i>	
Bioaccumulation and distribution of silver in four marine teleosts and two marine elasmobranchs: influence of exposure duration, concentration, and salinity	111
<i>S. Duquesne, M. Riddle, R. Schulz and M. Liess (Australia, Germany)</i>	
Effects of contaminants in the Antarctic environment — potential of the gammarid amphipod crustacean <i>Paramorella walkeri</i> as a biological indicator for Antarctic ecosystems based on toxicity and bioaccumulation of copper and cadmium	131
<i>L. Bervoets and R. Blust (Belgium)</i>	
Effects of pH on cadmium and zinc uptake by the midge larvae <i>Chironomus riparius</i>	145

VOL. 49 NO. 3

JUNE 2000

Research articles

A. Arukwe, T. Celius, B.T. Walther and A. Goksøyr (Norway, USA) Effects of xenoestrogen treatment on <i>zona radiata</i> protein and vitellogenin expression in Atlantic salmon (<i>Salmo salar</i>)	159
C. Vismara, V. Battista, G. Vailati and R. Bacchetta (Italy) Paraquat induced embryotoxicity on <i>Xenopus laevis</i> development	171
A. Ciereszko and K. Dabrowski (USA, Poland) In vitro effect of gossypol acetate on yellow perch (<i>Perca flavescens</i>) spermatozoa	181
W.J. Fischer and D.R. Dietrich (Germany) Toxicity of the cyanobacterial cyclic heptapeptide toxins microcystin-LR and -RR in early life-stages of the African clawed frog (<i>Xenopus laevis</i>)	189
M.T. Leppänen and J.V.K. Kukkonen (Finland) Fate of sediment-associated pyrene and benzo[a]pyrene in the freshwater oligochaete <i>Lumbriculus variegatus</i> (Müller)	199
L.B. Martello, C.S. Friedman and R.S. Tjeerdema (USA) Combined effects of pentachlorophenol and salinity stress on phagocytic and chemotactic function in two species of abalone	213

VOL. 49 NO. 4

JULY 2000

Research articles

M.T. Leppänen and J.V.K. Kukkonen (Finland) Effect of sediment-chemical contact time on availability of sediment-associated pyrene and benzo[a]pyrene to oligochaete worms and semi-permeable membrane devices	227
M. Fatima, I. Ahmad, I. Sayeed, M. Athar and S. Raisuddin (India) Pollutant-induced over-activation of phagocytes is concomitantly associated with peroxidative damage in fish tissues	243
P. Schmieder, M. Tapper, A. Linnum, J. Denny, R. Kolanczyk and R. Johnson (USA) Optimization of a precision-cut trout liver tissue slice assay as a screen for vitellogenin induction: comparison of slice incubation techniques	251
F. Akcha, C. Izuel, P. Venier, H. Budzinski, T. Burgeot and J.-F. Narbonne (France, Italy) Enzymatic biomarker measurement and study of DNA adduct formation in benzo[a]pyrene-contaminated mussels, <i>Mytilus galloprovincialis</i>	269
A. Arukwe, R. Thibaut, K. Ingebrigtsen, T. Celius, A. Goksøyr and J.-P. Cravedi (Norway, USA, France) In vivo and in vitro metabolism and organ distribution of nonylphenol in Atlantic salmon (<i>Salmo salar</i>)	289
Contents of <i>Aquatic Toxicology</i> , Volume 49	305